

=> file reg

=> e cobalt

E1	2	COBALOY/BI
E2	1	COBALR/BI
E3	295941	--> COBALT/BI
E4	1	COBALTO/BI
E5	4	COBALTA/BI
E6	1	COBALTACIN/BI
E7	1	COBALTACINIUM/BI
E8	1	COBALTAN/BI
E9	1	COBALTARTHURITE/BI
E10	30435	COBALTATE/BI
E11	32	COBALTATEBIS/BI
E12	5	COBALTATECUPR/BI

=> s e3

L1 295941 COBALT/BI

=> File .Biotech

=> s (protein complex)

L2 63286 (PROTEIN COMPLEX)

=> s cobalt and (l2)

L3 526 COBALT AND (L2)

=> s l3 and pd<20011001

1 FILES SEARCHED...

4 FILES SEARCHED...

=> d his

(FILE 'HOME' ENTERED AT 18:59:09 ON 14 MAR 2006)

FILE 'REGISTRY' ENTERED AT 18:59:16 ON 14 MAR 2006

E COBALT

L1 295941 S E3

FILE 'MEDLINE, CAPLUS, BIOSIS, BIOTECHDS, EMBASE, USPATFULL, WPIDS'
ENTERED AT 19:00:16 ON 14 MAR 2006

L2 63286 S (PROTEIN COMPLEX)

L3 526 S COBALT AND (L2)

=> s l3 and (buffer)

L4 368 L3 AND (BUFFER)

=> s l4 and (HEPES)

L5 146 L4 AND (HEPES)

=> s l5 and (oxidizing agent#)

L6 12 L5 AND (OXIDIZING AGENT#)

=> s l5 and (hydrogen peroxide or H2O2)

L7 15 L5 AND (HYDROGEN PEROXIDE OR H2O2)

=> s l6 and l7

L8 7 L6 AND L7

=> s (thermophile apoferritin)

L9 1 (THERMOPHILE APOFERRITIN)

=> d 19 bib ab

L9 ANSWER 1 OF 1 USPATFULL on STN
AN 2004:204155 USPATFULL
TI Method for producing cobalt-protein complex
IN Yamashita, Ichiro, Nara-shi, JAPAN
PA Matsushita Electric Industrial Co., Ltd,, Osaka, JAPAN (non-U.S.
corporation)
PI US 2004158047 A1 20040812
AI US 2003-644774 A1 20030821 (10)
RLI Continuation of Ser. No. WO 2002-JP10127, filed on 27 Sep 2002, UNKNOWN
PRAI JP 2001-305273 20011001
DT Utility
FS APPLICATION
LREP McDERMOTT, WILL & EMERY, 600 13th Street, N.W., Washington, DC,
20005-3096
CLMN Number of Claims: 19
ECL Exemplary Claim: 1
DRWN 8 Drawing Page(s)
LN.CNT 734

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for obtaining a cobalt-apoferritin complex according to the
present invention includes: the step a) of preparing a solution
including a Co.sup.2+ ion, a protein, a pH buffer agent and a Co.sup.2+
associating agent; and the step b) of adding an oxidizing agent to the
solution and thereby making the protein contain a fine particle
including cobalt.

=> s 18 and 19

L10 1 L8 AND L9

=> s 15 and 19

L11 1 L5 AND L9

=> s 14 and 19

L12 1 L4 AND L9

=> s 13 and 19

L13 1 L3 AND L9

=> d 18 1-7 bib ab

L8 ANSWER 1 OF 7 USPATFULL on STN
AN 2004:215977 USPATFULL
TI REG-like proteins immunoglobulin derived proteins, compositions, methods
and uses
IN Heiskala, Marja, San Diego, CA, UNITED STATES
PI US 2004167086 A1 20040826
AI US 2002-99791 A1 20020314 (10)
PRAI US 2001-276305P 20010316 (60)
DT Utility
FS APPLICATION
LREP PHILIP S. JOHNSON, JOHNSON & JOHNSON, ONE JOHNSON & JOHNSON PLAZA, NEW
BRUNSWICK, NJ, 08933-7003
CLMN Number of Claims: 55
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 4126

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to at least one novel RELP Ig derived
protein or specified portion or variant, including isolated nucleic
acids that encode at least one RELP Ig derived protein or specified
portion or variant, RELP Ig derived protein or specified portion or
variants, vectors, host cells, transgenic animals or plants, and methods

of making and using thereof, including therapeutic compositions, methods and devices.

L8 ANSWER 2 OF 7 USPATFULL on STN
AN 2004:204155 USPATFULL
TI Method for producing **cobalt-protein complex**
IN Yamashita, Ichiro, Nara-shi, JAPAN
PA Matsushita Electric Industrial Co., Ltd., Osaka, JAPAN (non-U.S. corporation)
PI US 2004158047 A1 20040812
AI US 2003-644774 A1 20030821 (10)
RLI Continuation of Ser. No. WO 2002-JP10127, filed on 27 Sep 2002, UNKNOWN
PRAI JP 2001-305273 20011001
DT Utility
FS APPLICATION
LREP McDERMOTT, WILL & EMERY, 600 13th Street, N.W., Washington, DC, 20005-3096
CLMN Number of Claims: 19
ECL Exemplary Claim: 1
DRWN 8 Drawing Page(s)
LN.CNT 734

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for obtaining a **cobalt**-apoferritin complex according to the present invention includes: the step a) of preparing a solution including a Co.sup.2+ ion, a protein, a pH **buffer** agent and a Co.sup.2+ associating agent; and the step b) of adding an **oxidizing agent** to the solution and thereby making the protein contain a fine particle including **cobalt**.

L8 ANSWER 3 OF 7 USPATFULL on STN
AN 2004:18781 USPATFULL
TI Detection of heteroduplex polynucleotides using mutant nucleic acid repair enzymes with attenuated catalytic activity
IN Yuan, Chong-Sheng, San Diego, CA, UNITED STATES
Datta, Abhijit, Carlsbad, CA, UNITED STATES
PI US 2004014083 A1 20040122
AI US 2003-373238 A1 20030224 (10)
RLI Continuation-in-part of Ser. No. US 2000-514016, filed on 25 Feb 2000, PENDING
DT Utility
FS APPLICATION
LREP Peng Chen, Morrison & Foerster LLP, Suite 500, 3811 Valley Centre Drive, San Diego, CA, 92130-2332
CLMN Number of Claims: 105
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 10442

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods for detecting, localizing and removing abnormal base-pairing in a nucleic acid duplex are provided. These methods can be used for prognosis and diagnosis of diseases, disorders, pathogenic infections and nucleic acid polymorphisms. Combinations, kits and articles of manufacture for use in these methods are also provided.

L8 ANSWER 4 OF 7 USPATFULL on STN
AN 2003:225294 USPATFULL
TI Anti-p40 immunoglobulin derived proteins, compositions, methods and uses
IN Carton, Jill M., Malvern, PA, UNITED STATES
Peritt, David, Bala Cynwyd, PA, UNITED STATES
PI US 2003157105 A1 20030821
AI US 2002-156255 A1 20020528 (10)
PRAI US 2001-294503P 20010530 (60)
DT Utility
FS APPLICATION
LREP AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE JOHNSON & JOHNSON

PLAZA, NEW BRUNSWICK, NJ, 08933-7003

CLMN Number of Claims: 101

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 3862

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to at least one novel anti-p40 immunoglobulin (Ig) derived protein, including isolated nucleic acids that encode at least one anti-p40 Ig derived protein, IL-12, vectors, host cells, transgenic animals or plants, and methods of making and using thereof, including therapeutic compositions, methods and devices.

L8 ANSWER 5 OF 7 USPATFULL on STN

AN 2003:23314 USPATFULL

TI Chronic obstructive pulmonary disease-related immunoglobulin derived proteins, compositions, methods and uses

IN Torphy, Theodore J., Bryn Mawr, PA, UNITED STATES

PI US 2003017150 A1 20030123

AI US 2002-99007 A1 20020314 (10)

PRAI US 2001-275652P 20010314 (60)

DT Utility

FS APPLICATION

LREP AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003

CLMN Number of Claims: 101

ECL Exemplary Claim: 1

DRWN 1 Drawing Page(s)

LN.CNT 5131

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to at least one novel COPD-related human Ig derived protein or specified portion or variant, including isolated nucleic acids that encode at least one COPD-related Ig derived protein or specified portion or variant, COPD-related Ig derived protein or specified portion or variants, vectors, host cells, transgenic animals or plants, and methods of making and using thereof, including therapeutic compositions, methods and devices.

L8 ANSWER 6 OF 7 USPATFULL on STN

AN 95:71281 USPATFULL

TI Immobilization of biologically active molecules by changing the Oxidation state of a chelated transition metal ion

IN Anderson, Leslie D., Encinitas, CA, United States

Cook, James A., Indianapolis, IN, United States

David, Gary S., La Jolla, CA, United States

Hochschwender, Susan M., Del Mar, CA, United States

Kasher, Mary S., Indianapolis, IN, United States

Smith, Michele C., Indianapolis, IN, United States

Stemmer, Willem P. C., Carlsbad, CA, United States

PA Eli Lilly and Company, Indianapolis, IN, United States (U.S. corporation)

Hybritech Incorporated, San Diego, CA, United States (U.S. corporation)

PI US 5439829 19950808

AI US 1992-826928 19920124 (7)

RLI Continuation-in-part of Ser. No. US 1991-647901, filed on 30 Jan 1991, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Naff, David M.

LREP Murphy, Richard B.

CLMN Number of Claims: 15

ECL Exemplary Claim: 1

DRWN 29 Drawing Figure(s); 29 Drawing Page(s)

LN.CNT 3441

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A chelating agent is covalently bonded to a biologically active molecule

such as an enzyme or antibody, the biologically active molecule is contacted with a support containing a bound transition metal ion whereby the metal ion is chelated by the chelating agent and the oxidation state of the metal ion is changed by treatment with an oxidizing or a reducing agent to provide a kinetically inert: oxidation state to immobilize the biologically active molecule on the support. The transition metal ion is preferably Co(II), Cr(II) or Ru(III) and the oxidation state of the metal ion is changed to Co(III), Cr(III) or Ru(II), respectively. The chelating agent can be iminodiacetic acid, nitrilotriacetic acid, terpyridine, bipyridine, triethylenetetraamine, biethylenetriamine, 1,4,7-triazacyclonane or a chelating peptide. Certain chelating agents can immobilize more than one biologically active molecule at a metal ion site on the support. The immobilized biologically active molecules can be used in affinity chromatography or in assay systems.

L8 ANSWER 7 OF 7 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
AN 2003-372075 [35] WPIDS
DNN N2003-296723 DNC C2003-098867
TI Preparation of **cobalt-protein complex**
comprises mixing **buffer** solution, protein solution and
cobalt 2+ ion solution, followed by adding **oxidizing**
agent.
DC B04 Q68
IN YAMASHITA, I
PA (MATU) MATSUSHITA DENKI SANGYO KK; (MATU) MATSUSHITA ELECTRIC IND CO LTD
CYC 102
PI WO 2003031322 A1 20030417 (200335)* JA 32
RW: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU
MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK
DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO
RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM
ZW
JP 2003113198 A 20030418 (200335) 11
EP 1433743 A1 20040630 (200443) EN
R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC
MK NL PT RO SE SI SK TR
US 2004158047 A1 20040812 (200454)
AU 2002338115 A1 20030422 (200461)
JP 3588602 B2 20041117 (200475) 16
ADT WO 2003031322 A1 WO 2002-JP10127 20020927; JP 2003113198 A JP 2001-305273
20011001; EP 1433743 A1 EP 2002-772954 20020927, WO 2002-JP10127 20020927;
US 2004158047 A1 Cont of WO 2002-JP10127 20020927, US 2003-644774
20030821; AU 2002338115 A1 AU 2002-338115 20020927; JP 3588602 B2 JP
2001-305273 20011001
FDT EP 1433743 A1 Based on WO 2003031322; AU 2002338115 A1 Based on WO
2003031322; JP 3588602 B2 Previous Publ. JP 2003113198
PRAI JP 2001-305273 20011001
AB WO2003031322 A UPAB: 20030603
NOVELTY - Preparation of a **cobalt-protein**
complex comprises;
(1) mixing a **buffer** solution, a protein solution and a
cobalt 2+ ion solution in order to give a reaction solution; and
(2) adding an **oxidizing agent** to introduce
cobalt hydroxide into the holding sector of the protein.
USE - For preparing **cobalt** protein (preferably
cobalt-apoferritin) complexes.
ADVANTAGE - The process gives fine **cobalt** particles with
uniform particle diameter.
Dwg.0/8

=> d his

(FILE 'HOME' ENTERED AT 18:59:09 ON 14 MAR 2006)

FILE 'REGISTRY' ENTERED AT 18:59:16 ON 14 MAR 2006

E COBALT

L1 295941 S E3

FILE 'MEDLINE, CAPLUS, BIOSIS, BIOTECHDS, EMBASE, USPATFULL, WPIDS'
ENTERED AT 19:00:16 ON 14 MAR 2006

L2 63286 S (PROTEIN COMPLEX)
L3 526 S COBALT AND (L2)
L4 368 S L3 AND (BUFFER)
L5 146 S L4 AND (HEPES)
L6 12 S L5 AND (OXIDIZING AGENT#)
L7 15 S L5 AND (HYDROGEN PEROXIDE OR H2O2)
L8 7 S L6 AND L7
L9 1 S (THERMOPHILE APOFERRITIN)
L10 1 S L8 AND L9
L11 1 S L5 AND L9
L12 1 S L4 AND L9
L13 1 S L3 AND L9

=> s l3 and (thermophile)

L14 3 L3 AND (THERMOPHILE)

=> d l14 1-3 bib ab

L14 ANSWER 1 OF 3 USPATFULL on STN

AN 2004:204155 USPATFULL

TI Method for producing **cobalt-protein complex**

IN Yamashita, Ichiro, Nara-shi, JAPAN

PA Matsushita Electric Industrial Co., Ltd., Osaka, JAPAN (non-U.S.
corporation)

PI US 2004158047 A1 20040812

AI US 2003-644774 A1 20030821 (10)

RLI Continuation of Ser. No. WO 2002-JP10127, filed on 27 Sep 2002, UNKNOWN

PRAI JP 2001-305273 20011001

DT Utility

FS APPLICATION

LREP McDERMOTT, WILL & EMERY, 600 13th Street, N.W., Washington, DC,
20005-3096

CLMN Number of Claims: 19

ECL Exemplary Claim: 1

DRWN 8 Drawing Page(s)

LN.CNT 734

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for obtaining a **cobalt**-apoferritin complex according
to the present invention includes: the step a) of preparing a solution
including a Co.sup.2+ ion, a protein, a pH buffer agent and a Co.sup.2+
associating agent; and the step b) of adding an oxidizing agent to the
solution and thereby making the protein contain a fine particle
including **cobalt**.

L14 ANSWER 2 OF 3 USPATFULL on STN

AN 2004:18781 USPATFULL

TI Detection of heteroduplex polynucleotides using mutant nucleic acid
repair enzymes with attenuated catalytic activity

IN Yuan, Chong-Sheng, San Diego, CA, UNITED STATES

Datta, Abhijit, Carlsbad, CA, UNITED STATES

PI US 2004014083 A1 20040122

AI US 2003-373238 A1 20030224 (10)

RLI Continuation-in-part of Ser. No. US 2000-514016, filed on 25 Feb 2000,
PENDING

DT Utility

FS APPLICATION

LREP Peng Chen, Morrison & Foerster LLP, Suite 500, 3811 Valley Centre Drive,

San Diego, CA, 92130-2332

CLMN Number of Claims: 105

ECL Exemplary Claim: 1

DRWN 2 Drawing Page(s)

LN.CNT 10442

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods for detecting, localizing and removing abnormal base-pairing in a nucleic acid duplex are provided. These methods can be used for prognosis and diagnosis of diseases, disorders, pathogenic infections and nucleic acid polymorphisms. Combinations, kits and articles of manufacture for use in these methods are also provided.

L14 ANSWER 3 OF 3 USPATFULL on STN

AN 83:9614 USPATFULL

TI Aluminum treated proteins

IN Bradford, Marion M., Decatur, IL, United States

Orthoefer, Frank T., Decatur, IL, United States

Wright, Kenneth N., Decatur, IL, United States

PA A. E. Staley Manufacturing Company, Decatur, IL, United States (U.S. corporation)

PI US 4375431 19830301

AI US 1981-334619 19811228 (6)

DT Utility

FS Granted

EXNAM Primary Examiner: Schain, Howard E.

LREP Hendrickson, M. Paul, Meyerson, Charles J.

CLMN Number of Claims: 25

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 922

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Phytate-containing proteinaceous materials are treated with trivalent aluminum to alter the physical, chemical, metabolic, functional and nutritional values of the protein. Protein derived from phytate-containing seed materials treated with trivalent aluminum possess improved solvent solubility, protease digestability, reduced thermophiles and trypsin inhibition reduction, low viscosity, trace mineral bioavailability, etc. without requiring phytate or phytic acid removal. The aluminum treatment may be conducted at numerous protein manufacturing stages with a wide variety of different materials. Phytate-containing proteins may be effectively extracted at acid pH levels in the presence of trivalent aluminum without sacrificing recoverable protein yields.

=> s 15 and (thermophile)

L15 2 L5 AND (THERMOPHILE)

=> d l15 1-2 bib ab

L15 ANSWER 1 OF 2 USPATFULL on STN

AN 2004:204155 USPATFULL

TI Method for producing **cobalt-protein complex**

IN Yamashita, Ichiro, Nara-shi, JAPAN

PA Matsushita Electric Industrial Co., Ltd., Osaka, JAPAN (non-U.S. corporation)

PI US 2004158047 A1 20040812

AI US 2003-644774 A1 20030821 (10)

RLI Continuation of Ser. No. WO 2002-JP10127, filed on 27 Sep 2002, UNKNOWN

PRAI JP 2001-305273 20011001

DT Utility

FS APPLICATION

LREP McDERMOTT, WILL & EMERY, 600 13th Street, N.W., Washington, DC, 20005-3096

CLMN Number of Claims: 19

ECL Exemplary Claim: 1
DRWN 8 Drawing Page(s)
LN.CNT 734

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for obtaining a **cobalt**-apoferritin complex according to the present invention includes: the step a) of preparing a solution including a Co.sup.2+ ion, a protein, a pH **buffer** agent and a Co.sup.2+ associating agent; and the step b) of adding an oxidizing agent to the solution and thereby making the protein contain a fine particle including **cobalt**.

L15 ANSWER 2 OF 2 USPATFULL on STN

AN 2004:18781 USPATFULL

TI Detection of heteroduplex polynucleotides using mutant nucleic acid repair enzymes with attenuated catalytic activity

IN Yuan, Chong-Sheng, San Diego, CA, UNITED STATES
Datta, Abhijit, Carlsbad, CA, UNITED STATES

PI US 2004014083 A1 20040122

AI US 2003-373238 A1 20030224 (10)

RLI Continuation-in-part of Ser. No. US 2000-514016, filed on 25 Feb 2000, PENDING

DT Utility

FS APPLICATION

LREP Peng Chen, Morrison & Foerster LLP, Suite 500, 3811 Valley Centre Drive, San Diego, CA, 92130-2332

CLMN Number of Claims: 105

ECL Exemplary Claim: 1

DRWN 2 Drawing Page(s)

LN.CNT 10442

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods for detecting, localizing and removing abnormal base-pairing in a nucleic acid duplex are provided. These methods can be used for prognosis and diagnosis of diseases, disorders, pathogenic infections and nucleic acid polymorphisms. Combinations, kits and articles of manufacture for use in these methods are also provided.

=> s 18 and (thermophile)

L16 2 L8 AND (THERMOPHILE)

=> d l16 1-2 bib ab

L16 ANSWER 1 OF 2 USPATFULL on STN

AN 2004:204155 USPATFULL

TI Method for producing **cobalt-protein complex**

IN Yamashita, Ichiro, Nara-shi, JAPAN

PA Matsushita Electric Industrial Co., Ltd., Osaka, JAPAN (non-U.S. corporation)

PI US 2004158047 A1 20040812

AI US 2003-644774 A1 20030821 (10)

RLI Continuation of Ser. No. WO 2002-JP10127, filed on 27 Sep 2002, UNKNOWN

PRAI JP 2001-305273 20011001

DT Utility

FS APPLICATION

LREP McDERMOTT, WILL & EMERY, 600 13th Street, N.W., Washington, DC, 20005-3096

CLMN Number of Claims: 19

ECL Exemplary Claim: 1

DRWN 8 Drawing Page(s)

LN.CNT 734

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for obtaining a **cobalt**-apoferritin complex according to the present invention includes: the step a) of preparing a solution including a Co.sup.2+ ion, a protein, a pH **buffer** agent and a Co.sup.2+ associating agent; and the step b) of adding an

oxidizing agent to the solution and thereby making the protein contain a fine particle including cobalt.

L16 ANSWER 2 OF 2 USPATFULL on STN
AN 2004:18781 USPATFULL
TI Detection of heteroduplex polynucleotides using mutant nucleic acid
repair enzymes with attenuated catalytic activity
IN Yuan, Chong-Sheng, San Diego, CA, UNITED STATES
Datta, Abhijit, Carlsbad, CA, UNITED STATES
PI US 2004014083 A1 20040122
AI US 2003-373238 A1 20030224 (10)
RLI Continuation-in-part of Ser. No. US 2000-514016, filed on 25 Feb 2000,
PENDING
DT Utility
FS APPLICATION
LREP Peng Chen, Morrison & Foerster LLP, Suite 500, 3811 Valley Centre Drive,
San Diego, CA, 92130-2332
CLMN Number of Claims: 105
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 10442
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Methods for detecting, localizing and removing abnormal base-pairing in
a nucleic acid duplex are provided. These methods can be used for
prognosis and diagnosis of diseases, disorders, pathogenic infections
and nucleic acid polymorphisms. Combinations, kits and articles of
manufacture for use in these methods are also provided.

=>

---Logging off of STN---

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Executing the logoff script...

=> LOG Y

STN INTERNATIONAL LOGOFF AT 19:34:55 ON 14 MAR 2006